

Title (en)

Sheet indentifying apparatus and sheet indentifying method

Title (de)

Gerät und Verfahren zur Blattidentifizierung

Title (fr)

Appareil d'identification de feuilles et procédé d'identification

Publication

EP 2189951 A1 20100526 (EN)

Application

EP 10154812 A 20060808

Priority

- EP 06016527 A 20060808
- JP 2005229928 A 20050808
- JP 2006176735 A 20060627

Abstract (en)

The class of a sheet is efficiently estimated and a pattern identification process which is robust to a variation in the medium can be performed by dividing (1) an image pattern of the sheet into a plurality of areas (pixels or sets of pixels), weighting (3) and selecting (4) the areas, attaining the identification results for the respective areas and determining the identification result of the whole portion based (6) on a logical combination of the identification results. Particularly, since the area weighting and selecting process is performed based on a difference between the classes and a variation in the class, the calculation amount can be reduced and the identification performance which is higher than that of a method which uniformly processes the whole portion of the pattern can be attained.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- JP H09134464 A 19970520 - OKI ELECTRIC IND CO LTD
- EP 1484719 A2 20041208 - NCR INT INC [US]
- US 5216724 A 19930601 - SUZUKI YOSHIYUKI [JP], et al

Citation (search report)

- [IY] EP 1484719 A2 20041208 - NCR INT INC [US]
- [Y] US 5216724 A 19930601 - SUZUKI YOSHIYUKI [JP], et al
- [A] EP 0472192 A2 19920226 - OKI ELECTRIC IND CO LTD [JP]
- [A] WO 9523388 A1 19950831 - NON STOP INFO AB [SE], et al

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

EP 1752934 A2 20070214; **EP 1752934 A3 20080521**; **EP 1752934 B1 20101020**; AT E485574 T1 20101115; CN 101739749 A 20100616; CN 101739749 B 20121128; CN 1912932 A 20070214; CN 1912932 B 20101229; DE 602006017634 D1 20101202; EP 2189951 A1 20100526; EP 2189951 B1 20151104; JP 2007073035 A 20070322; JP 5111794 B2 20130109; US 2007031021 A1 20070208; US 7991197 B2 20110802

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EP 06016527 A 20060808; AT 06016527 T 20060808; CN 200610110796 A 20060808; CN 200910261983 A 20060808; DE 602006017634 T 20060808; EP 10154812 A 20060808; JP 2006176735 A 20060627; US 50046206 A 20060808